# RAW SEQUENCE LISTING

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Application Serial Number: 10 528,460

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# *ENTERED*

RAW SEQUENCE LISTING     DATE: 03/29/2005
PATENT APPLICATION: **US/10/528,460**  TIME: 15:25:49

Input Set : **A:\LeA 36 282.ST25.txt**
Output Set: **N:\CRF4\03292005\J528460.raw**

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 3 <110> APPLICANT: Bayer HealthCare AG
 4        Golz, Stefan
 5        Bruggemeier, Ulf
 6        Geerts, Andreas
 8 <120> TITLE OF INVENTION: Diagnostics and Therapeutics for Diseases Associated with
Human
 9        Phosphodiesterase 11A (PDE11A)
11 <130> FILE REFERENCE: LeA 36 282
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C--> ```13 <140> CURRENT APPLICATION NUMBER: US/10/528,460```
C--> ```13 <141> CURRENT FILING DATE: 2005-03-18```
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13 <150> PRIOR APPLICATION NUMBER: EP02021365.8
14 <151> PRIOR FILING DATE: 2002-09-24
16 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/010376
17 <151> PRIOR FILING DATE: 2003-09-18
19 <160> NUMBER OF SEQ ID NOS: 5
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1784
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
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33 gtggtgaaat ttaccaaatc ctttgaattg atgtccccaa agtgcagtgc tgatgctgag       180
35 aacagtttca aagaaagcat ggagaaatca tcatactccg actggctaat aaataacagc       240
37 attgctgagc tggttgcttc aacaggcctt ccagtgaaca tcagtgatgc ctaccaggat       300
39 ccgcgctttg atgcagaggc agaccagata tctggttttc acataagatc tgttctttgt       360
41 gtccctattt ggaatagcaa ccaccaaata attggagtgg ctcaagtgtt aaacagactt       420
43 gatgggaaac cttttgatga tgcagatcaa cgactttttg aggcttttgt catcttttgt       480
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47 tctgtggctc ttgatgtgct atcataccat gcaacatgtt caaaagctga agttgacaag       600
49 tttaaggcag ccaacatccc tctggtgtca gaacttgcca tcgatgacat tcattttgat       660
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53 gggatggtac agaaatttaa aattgactat gagacactgt gtaggtggct tttgacagtg       780
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57 ctgatgttcg cgatgttaac cactgctggg tttcaagaca ttctgaccga ggtggaaatt       900
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61 ttccaagcta agagtggctc tgccctggcc caactctatg gaacctctgc taccttggag      1020
63 catcaccatt tcaaccacgc cgtgatgatc cttcaaagtg agggtcacaa tatctttgct      1080
65 aacctgtcct ccaaggaata tagtgacctt atgcagcttt tgaagcagtc aatattggca      1140
67 acagacctca cgctgtactt tgagaggaga actgaattct ttgaacttgt cagtaaagga      1200
69 gaatacgatt ggaacatcaa aaaccatcgt gatatatttc gatcaatgtt aatgacagcc      1260
71 tgtgaccttg agccgtgac caaaccgtgg gagatctcca gacaggtggc agaacttgta      1320
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 81 gcctcaactg cctcatcctc ctcccctgcc agtgttatgg tagccaagga agacaggaac   1620
 83 taaacctcca ggtcagctgc agctgcaaaa tgactacagc ctgaagggcc attttcagtc   1680
 85 cagcaatgtc atccttttgt tcttttagct cagaaagacc taacatctca aggatgcact   1740
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95 <400> SEQUENCE: 2

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105 Glu Leu Val Ala Ser Thr Gly Leu Pro Val Asn Ile Ser Asp Ala Tyr
106         35              40                  45
109 Gln Asp Pro Arg Phe Asp Ala Glu Ala Asp Gln Ile Ser Gly Phe His
110     50              55                  60
113 Ile Arg Ser Val Leu Cys Val Pro Ile Trp Asn Ser Asn His Gln Ile
114 65              70                  75                      80
117 Ile Gly Val Ala Gln Val Leu Asn Arg Leu Asp Gly Lys Pro Phe Asp
118             85                  90                  95
121 Asp Ala Asp Gln Arg Leu Phe Glu Ala Phe Val Ile Phe Cys Gly Leu
122             100                 105                 110
125 Gly Ile Asn Asn Thr Ile Met Tyr Asp Gln Val Lys Lys Ser Trp Ala
126         115                 120                 125
129 Lys Gln Ser Val Ala Leu Asp Val Leu Ser Tyr His Ala Thr Cys Ser
130     130                 135                 140
133 Lys Ala Glu Val Asp Lys Phe Lys Ala Ala Asn Ile Pro Leu Val Ser
134 145                 150                 155                 160
137 Glu Leu Ala Ile Asp Asp Ile His Phe Asp Asp Phe Ser Leu Asp Val
138             165                 170                 175
141 Asp Ala Met Ile Thr Ala Ala Leu Arg Met Phe Met Glu Leu Gly Met
142             180                 185                 190
145 Val Gln Lys Phe Lys Ile Asp Tyr Glu Thr Leu Cys Arg Trp Leu Leu
146         195                 200                 205
149 Thr Val Arg Lys Asn Tyr Arg Met Val Leu Tyr His Asn Trp Arg His
150     210                 215                 220
153 Ala Phe Asn Val Cys Gln Leu Met Phe Ala Met Leu Thr Thr Ala Gly
154 225                 230                 235                 240
157 Phe Gln Asp Ile Leu Thr Glu Val Glu Ile Leu Ala Val Ile Val Gly
158             245                 250                 255
161 Cys Leu Cys His Asp Leu Asp His Arg Gly Thr Asn Asn Ala Phe Gln
162             260                 265                 270
165 Ala Lys Ser Gly Ser Ala Leu Ala Gln Leu Tyr Glu Thr Ser Ala Thr
166     275                 280                 285
169 Leu Glu His His His Phe Asn His Ala Val Met Ile Leu Gln Ser Glu
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170      290                 295                 300
173 Gly His Asn Ile Phe Ala Asn Leu Ser Ser Lys Glu Tyr Ser Asp Leu
174 305                 310                 315                 320
177 Met Gln Leu Leu Lys Gln Ser Ile Leu Ala Thr Asp Leu Thr Leu Tyr
178                 325                 330                 335
181 Phe Glu Arg Arg Thr Glu Phe Phe Glu Leu Val Ser Lys Gly Glu Tyr
182                 340                 345                 350
185 Asp Thr Asn Ile Lys Asn His Arg Asp Ile Phe Arg Ser Met Leu Met
186                 355                 360                 365
189 Thr Ala Cys Asp Leu Gly Ala Val Thr Lys Pro Trp Glu Ile Ser Arg
190      370                 375                 380
193 Gln Val Ala Glu Leu Val Thr Ser Glu Phe Phe Glu Gln Gly Asp Arg
194 385                 390                 395                 400
197 Glu Arg Leu Glu Leu Lys Leu Thr Pro Ser Ala Ile Phe Asp Arg Asn
198                 405                 410                 415
201 Arg Lys Asp Glu Leu Pro Arg Leu Gln Leu Glu Trp Ile Asp Ser Ile
202 .                420                 425                 430
205 Cys Met Pro Leu Tyr Gln Ala Leu Val Lys Val Asn Val Lys Leu Lys
206                 435                 440                 445
209 Pro Met Leu Asp Ser Val Ala Thr Asn Arg Ser Lys Trp Glu Glu Leu
210      450                 455                 460
213 His Gln Lys Arg Leu Leu Ala Ser Thr Ala Ser Ser Ser Ser Pro Ala
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232 <212> TYPE: DNA
233 <213> ORGANISM: Homo sapiens
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240 <211> LENGTH: 30
241 <212> TYPE: DNA
242 <213> ORGANISM: Homo sapiens
244 <400> SEQUENCE: 5
245 aaccaacaat gccttccaag ctaagagtgg                                  30
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**VERIFICATION SUMMARY**                           DATE: 03/29/2005
PATENT APPLICATION:  **US/10/528,460**              TIME: 15:25:50

Input Set : **A:\LeA 36 282.ST25.txt**
Output Set: **N:\CRF4\03292005\J528460.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date